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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/701,232

DATE: 03/25/2002
TIME: 10:19:21

Input Set : A:\pf0525usn.seq.txt
Output Set: N:\CRF3\03252002\I701232.raw

4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
5 LAL, Preeti
6 HILLMAN, Jennifer L.
7 GORGONE, Gina
8 CORLEY, Neil C.
9 PATTERSON, Chandra
10 YUE, Henry
11 TANG, Y. Tom
12 AZIMZAI, Yalda
14 <120> TITLE OF INVENTION: HUMAN SOCS PROTEINS
16 <130> FILE REFERENCE: PF-0525 PCT
C--> 18 <140> CURRENT APPLICATION NUMBER: US/09/701,232
C--> 19 <141> CURRENT FILING DATE: 2000-11-21
21 <150> PRIOR APPLICATION NUMBER: 60/087,104; 09/216,006
W--> 22 <151> PRIOR FILING DATE: 1998-05-28; 1998-12-17
24 <160> NUMBER OF SEQ ID NOS: 18
26 <170> SOFTWARE: PERL Program
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 288
30 <212> TYPE: PRT
31 <213> ORGANISM: Homo sapiens
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <223> OTHER INFORMATION: Incyte clone 1758450
37 <400> SEQUENCE: 1
38 Met Ser Ser Ser Met Trp Tyr Ile Met Gln Ser Ile Gln Ser Lys 15
39 1 5 10
40 Tyr Ser Leu Ser Glu Arg Leu Ile Arg Thr Ile Ala Ala Ile Arg 30
41 20 25
42 Ser Phe Pro His Asp Asn Val Glu Asp Leu Ile Arg Gly Gly Ala 45
43 35 40
44 Asp Val Asn Cys Thr His Gly Thr Leu Lys Pro Leu His Cys Ala 60
45 50 55
46 Cys Met Val Ser Asp Ala Asp Cys Val Glu Leu Leu Leu Glu Lys 75
47 65 70
48 Gly Ala Glu Val Asn Ala Leu Asp Gly Tyr Asn Arg Thr Ala Leu 90
49 80 85
50 His Tyr Ala Ala Glu Lys Asp Glu Ala Cys Val Glu Val Leu Leu 105
51 95 100
52 Glu Tyr Gly Ala Asn Pro Asn Ala Leu Asp Gly Asn Arg Asp Thr 120
53 110 115
54 Pro Leu His Trp Ala Ala Phe Lys Asn Asn Ala Glu Cys Val Arg 135
55 125 130

3/25/02

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56 Ala Leu Leu Glu Ser Gly Ala Ser Val Asn Ala Leu Asp Tyr Asn 150
57 140 145
58 Asn Asp Thr Pro Leu Ser Trp Ala Ala Met Lys Gly Asn Leu Glu 165
59 155 160
60 Ser Val Ser Ile Leu Leu Asp Tyr Gly Ala Glu Val Arg Val Ile 180
61 170 175
62 Asn Leu Ile Gly Gln Thr Pro Ile Ser Arg Leu Val Ala Leu Leu 195
63 185 190
64 Val Arg Gly Leu Gly Thr Glu Lys Glu Asp Ser Cys Phe Glu Leu 210
65 200 205
66 Leu His Arg Ala Val Gly His Phe Glu Leu Arg Lys Asn Gly Thr 225
67 215 220
68 Met Pro Arg Glu Val Ala Arg Asp Pro Gln Leu Cys Glu Lys Leu 240
69 230 235
70 Thr Val Leu Cys Ser Ala Pro Gly Thr Leu Lys Thr Leu Ala Arg 255
71 245 250
72 Tyr Ala Val Arg Arg Ser Leu Gly Leu Gln Tyr Leu Pro Asp Ala 270
73 260 265
74 Val Lys Gly Leu Pro Leu Pro Ala Ser Leu Lys Glu Tyr Leu Leu 285
75 275 280

76 Leu Leu Glu

81 <210> SEQ ID NO: 2

82 <211> LENGTH: 423

83 <212> TYPE: PRT

84 <213> ORGANISM: Homo sapiens

86 <220> FEATURE:

87 <221> NAME/KEY: misc_feature

88 <223> OTHER INFORMATION: Incyte clone 1834242

90 <400> SEQUENCE: 2

91 Met Lys Leu Thr Pro Arg Thr Ala Gly Arg Ala Trp Ala Gln Ser 15
92 1 5 10
93 Arg Lys Gly Lys Arg Ser Ser Trp Gly Gly Thr Ala Ala Val Ala 30
94 20 25
95 Glu Leu Lys Pro Gly Arg Pro His Gln Phe Asp Trp Lys Ser Ser 45
96 35 40
97 Cys Glu Thr Trp Ser Val Ala Phe Ser Pro Asp Gly Ser Trp Phe 60
98 50 55
99 Ala Trp Ser Gln Gly His Cys Ile Val Lys Leu Ile Pro Trp Pro 75
100 65 70
101 Leu Glu Glu Gln Phe Ile Pro Lys Gly Phe Glu Ala Lys Ser Arg 90
102 80 85
103 Ser Ser Lys Asn Glu Thr Lys Gly Arg Gly Ser Pro Lys Glu Lys 105
104 95 100
105 Thr Leu Asp Cys Gly Gln Ile Val Trp Gly Leu Ala Phe Ser Pro 120
106 110 115
107 Trp Pro Ser Pro Pro Ser Arg Lys Leu Trp Ala Arg His His Pro 135
108 125 130
109 Gln Val Pro Asp Val Ser Cys Leu Val Leu Ala Thr Gly Leu Asn 150
110 140 145

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111 Asp Gly Gln Ile Lys Ile Trp Glu Val Gln Thr Gly Leu Leu Leu 165
112 155 160
113 Leu Asn Leu Ser Gly His Gln Asp Val Val Arg Asp Leu Ser Phe 180
114 170 175
115 Thr Pro Ser Gly Ser Leu Ile Leu Val Ser Ala Ser Arg Asp Lys 195
116 185 190
117 Thr Leu Arg Ile Trp Asp Leu Asn Lys His Gly Lys Gln Ile Gln 210
118 200 205
119 Val Leu Ser Gly His Leu Gln Trp Val Tyr Cys Cys Ser Ile Ser 225
120 215 220
121 Pro Asp Cys Ser Met Leu Cys Ser Ala Ala Gly Glu Lys Ser Val 240
122 230 235
123 Phe Leu Trp Ser Met Arg Ser Tyr Thr Leu Ile Arg Lys Leu Glu 255
124 245 250
125 Gly His Gln Ser Ser Val Val Ser Cys Asp Phe Ser Pro Asp Ser 270
126 260 265
127 Ala Leu Leu Val Thr Ala Ser Tyr Asp Thr Asn Val Ile Met Trp 285
128 275 280
129 Asp Pro Tyr Thr Gly Glu Arg Leu Arg Ser Leu His His Thr Gln 300
130 290 295
131 Val Asp Pro Ala Met Asp Asp Ser Asp Val His Ile Ser Ser Leu 315
132 305 310
133 Arg Ser Val Cys Phe Ser Pro Glu Gly Leu Tyr Leu Ala Thr Val 330
134 320 325
135 Ala Asp Asp Arg Leu Leu Arg Ile Trp Ala Leu Glu Leu Lys Thr 345
136 335 340
137 Pro Ile Ala Phe Ala Pro Met Thr Asn Gly Leu Cys Cys Thr Phe 360
138 350 355
139 Phe Pro His Gly Gly Val Ile Ala Thr Gly Thr Arg Asp Gly His 375
140 365 370
141 Val Gln Phe Trp Thr Ala Pro Arg Val Leu Ser Ser Leu Lys His 390
142 380 385
143 Leu Cys Arg Lys Ala Leu Arg Ser Phe Leu Thr Thr Tyr Gln Val 405
144 395 400
145 Leu Ala Leu Pro Ile Pro Lys Lys Met Lys Glu Phe Leu Thr Tyr 420
146 410 415
147 Arg Thr Phe
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152 <211> LENGTH: 349
153 <212> TYPE: PRT
154 <213> ORGANISM: Homo sapiens
156 <220> FEATURE:
157 <221> NAME/KEY: misc_feature
158 <223> OTHER INFORMATION: Incyte clone 1849725
160 <400> SEQUENCE: 3
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162 1 5 10
163 Pro Ala Leu Leu Glu Ser Pro Arg Pro Glu Gly Gly Glu Glu Pro 30
164 20 25

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165	Pro	Arg	Pro	Ser	Pro	Glu	Glu	Thr	Gln	Gln	Cys	Lys	Phe	Asp	Gly	45
166					35					40						
167	Gln	Glu	Thr	Lys	Gly	Ser	Lys	Phe	Ile	Thr	Ser	Ser	Ala	Ser	Asp	60
168					50					55						
169	Phe	Ser	Asp	Pro	Val	Tyr	Lys	Glu	Ile	Ala	Ile	Thr	Asn	Gly	Cys	75
170					65					70						
171	Ile	Asn	Arg	Met	Ser	Lys	Glu	Glu	Leu	Arg	Ala	Lys	Leu	Ser	Glu	90
172					80					85						
173	Phe	Lys	Leu	Glu	Thr	Arg	Gly	Val	Lys	Asp	Val	Leu	Lys	Lys	Arg	105
174					95					100						
175	Leu	Lys	Asn	Tyr	Tyr	Lys	Lys	Gln	Lys	Leu	Met	Leu	Lys	Glu	Ser	120
176					110					115						
177	Asn	Phe	Ala	Asp	Ser	Tyr	Tyr	Asp	Tyr	Ile	Cys	Ile	Ile	Asp	Phe	135
178					125					130						
179	Glu	Ala	Thr	Cys	Glu	Glu	Gly	Asn	Pro	Pro	Glu	Phe	Val	His	Glu	150
180					140					145						
181	Ile	Ile	Glu	Phe	Pro	Val	Val	Leu	Leu	Asn	Thr	His	Thr	Leu	Glu	165
182					155					160						
183	Ile	Glu	Asp	Thr	Phe	Gln	Gln	Tyr	Val	Arg	Pro	Glu	Ile	Asn	Thr	180
184					170					175						
185	Gln	Leu	Ser	Asp	Phe	Cys	Ile	Ser	Leu	Thr	Gly	Ile	Thr	Gln	Asp	195
186					185					190						
187	Gln	Val	Asp	Arg	Ala	Asp	Thr	Phe	Pro	Gln	Val	Leu	Lys	Lys	Val	210
188					200					205						
189	Ile	Asp	Trp	Met	Lys	Leu	Lys	Glu	Leu	Gly	Thr	Lys	Tyr	Lys	Tyr	225
190					215					220						
191	Ser	Leu	Leu	Thr	Asp	Gly	Ser	Trp	Asp	Met	Ser	Lys	Phe	Leu	Asn	240
192					230					235						
193	Ile	Gln	Cys	Gln	Leu	Ser	Arg	Leu	Lys	Tyr	Pro	Pro	Phe	Ala	Lys	255
194					245					250						
195	Lys	Trp	Ile	Asn	Ile	Arg	Lys	Ser	Tyr	Gly	Asn	Phe	Tyr	Lys	Val	270
196					260					265						
197	Pro	Arg	Ser	Gln	Thr	Lys	Leu	Thr	Ile	Met	Leu	Glu	Lys	Leu	Gly	285
198					275					280						
199	Met	Asp	Tyr	Asp	Gly	Arg	Pro	His	Cys	Gly	Leu	Asp	Asp	Ser	Lys	300
200					290					295						
201	Asn	Ile	Ala	Arg	Ile	Ala	Val	Arg	Met	Leu	Gln	Asp	Gly	Cys	Glu	315
202					305					310						
203	Leu	Arg	Ile	Asn	Glu	Lys	Met	His	Ala	Gly	Gln	Leu	Met	Ser	Val	330
204					320					325						
205	Ser	Ser	Ser	Leu	Pro	Ile	Glu	Gly	Thr	Pro	Pro	Pro	Gln	Met	Pro	345
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212	<210>	SEQ ID NO:	4													
213	<211>	LENGTH:	355													
214	<212>	TYPE:	PRT													
215	<213>	ORGANISM:	Homo sapiens													
217	<220>	FEATURE:														
218	<221>	NAME/KEY:	misc_feature													

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219 <223> OTHER INFORMATION: Incyte clone 2547840

221 <400> SEQUENCE: 4

222	Met	Ala	Arg	Arg	Pro	Arg	Asn	Ser	Arg	Ala	Trp	His	Phe	Val	Leu	
223	1				5					10						15
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225					20					25						30
226	Gly	Ser	Thr	Asn	Trp	Gly	Tyr	Asp	Ser	Asp	Gly	Gln	His	Ser	Asp	
227					35					40						45
228	Ser	Asp	Ser	Asp	Pro	Glu	Tyr	Ser	Thr	Leu	Pro	Pro	Ser	Ile	Pro	
229					50					55						60
230	Ser	Ala	Val	Pro	Val	Thr	Gly	Glu	Ser	Phe	Cys	Asp	Cys	Ala	Gly	
231					65					70						75
232	Gln	Ser	Glu	Ala	Ser	Phe	Cys	Ser	Ser	Leu	His	Ser	Ala	His	Arg	
233					80					85						90
234	Gly	Arg	Asp	Cys	Arg	Cys	Gly	Glu	Glu	Asp	Glu	Tyr	Phe	Asp	Trp	
235					95					100						105
236	Val	Trp	Asp	Asp	Leu	Asn	Lys	Ser	Ser	Ala	Thr	Leu	Leu	Ser	Cys	
237					110					115						120
238	Asp	Asn	Arg	Lys	Val	Ser	Phe	His	Met	Glu	Tyr	Ser	Cys	Gly	Thr	
239					125					130						135
240	Ala	Ala	Ile	Arg	Gly	Thr	Lys	Glu	Leu	Gly	Glu	Gly	Gln	His	Phe	
241					140					145						150
242	Trp	Glu	Ile	Lys	Met	Thr	Ser	Pro	Val	Tyr	Gly	Thr	Asp	Met	Met	
243					155					160						165
244	Val	Gly	Ile	Gly	Thr	Ser	Asp	Val	Asp	Leu	Asp	Lys	Tyr	Arg	His	
245					170					175						180
246	Thr	Phe	Cys	Ser	Leu	Leu	Gly	Arg	Asp	Glu	Asp	Ser	Trp	Gly	Leu	
247					185					190						195
248	Ser	Tyr	Thr	Gly	Leu	Leu	His	His	Lys	Gly	Asp	Lys	Thr	Ser	Phe	
249					200					205						210
250	Ser	Ser	Arg	Phe	Gly	Gln	Gly	Ser	Ile	Ile	Gly	Val	His	Leu	Asp	
251					215					220						225
252	Thr	Trp	His	Gly	Thr	Leu	Thr	Phe	Phe	Lys	Asn	Arg	Lys	Cys	Ile	
253					230					235						240
254	Gly	Val	Ala	Ala	Thr	Lys	Leu	Gln	Asn	Lys	Arg	Phe	Tyr	Pro	Met	
255					245					250						255
256	Val	Cys	Ser	Thr	Ala	Ala	Arg	Ser	Ser	Met	Lys	Val	Thr	Arg	Ser	
257					260					265						270
258	Cys	Ala	Ser	Ala	Thr	Ser	Leu	Gln	Tyr	Leu	Cys	Cys	His	Arg	Leu	
259					275					280						285
260	Arg	Gln	Leu	Arg	Pro	Asp	Ser	Gly	Asp	Thr	Leu	Glu	Gly	Leu	Pro	
261					290					295						300
262	Leu	Pro	Pro	Gly	Leu	Lys	Gln	Val	Leu	His	Asn	Lys	Leu	Gly	Trp	
263					305					310						315
264	Val	Leu	Ser	Met	Ser	Cys	Ser	Arg	Arg	Lys	Ala	Pro	Val	Ser	Asp	
265					320					325						330
266	Pro	Gln	Ala	Ala	Thr	Ser	Ala	His	Pro	Ser	Ser	Arg	Glu	Pro	Arg	
267					335					340						345
268	Pro	Cys	Gln	Arg	Lys	Arg	Cys	Arg	Arg	Thr						

VERIFICATION SUMMARY

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L:18 M:270 C: Current Application Number differs, Replaced Current Application Number
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:22 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD